Digital Wireless System

2.4GHz

User Guide

Thank you for purchasing our visual security system. It can help the users to Improve the working efficiency and provide the security of the mechanical person. We strictly follow the ISO/TS16949 quality Management systems, product design with the industrial-grade materials, advanced testing equipment to provide the reliability and stability.
Products meet Chinese MA, European and American FCC, CE, E-MARK, Japan and other international standards.

Features

★Patant on the monitor design, monitor housing is made by ABS which has ability
  of high temperature resistant.

★7″ High Resolution Color TFT-LCD. LED backlight;

★Auto or manual switch the different channel;

★8V-32V DC power input, suitable for all kinds of vehicles;

★Monitor circuit has protector for battery reverse(+/-);

★LED backlight display with constant voltage constant current circuit protection design.
  (Solve LED work temperature reaches the limit of its current damage and prolong
  service life);

★Monitor OSD menu can set each camera image in 4 mode NOR/MIR/UP/DOWN;

★Reverse reference line make the safe operation on reversing;

★Two Digital Wireless signal transmit. Support sub-screen and two screens;

★High shock resistant rating: 8G;

★Car digital wireless camera waterproof: IP69K.

★Camera design to prevent the camera oxidation and atomization.

Notice:

★Before using our products, please read this manual first.

★DC8~32V input, the power cable(red and black) connect with the car battery (power and ground)

★Please make sure all the cables are connected tightly, or else the system will not work well.

★The monitor is not waterproof, please don not place the monitor outdoor.

★Do not open the housing of the camera, otherwise the waterproof device and chipset
  inside it will be damaged.

★While driving, please do not watch DVD, etc.

★Please do not use caustic chemicals to wipe the camera and monitor.

⚠ **Warning**

The system maintenance must be maintained by professionals, please do not open and
improve the system!
The system only for the safe operation of machine and equipment, not responsible for
accidents!
This manual is for reference only. if unknown, or any changes, we will give no notice.
The final interpretation right belongs to the manufacturer.
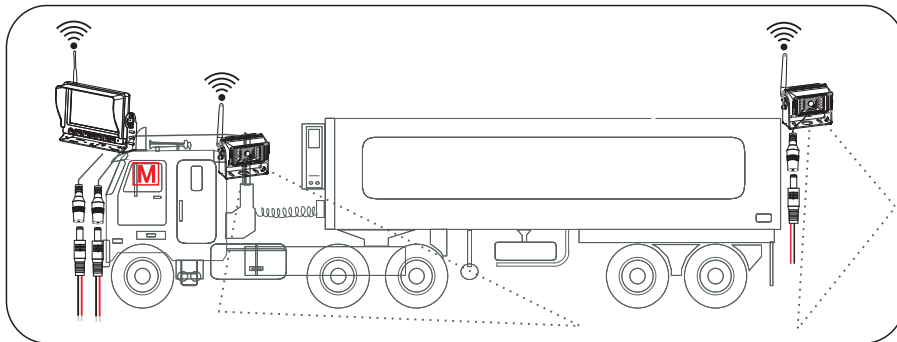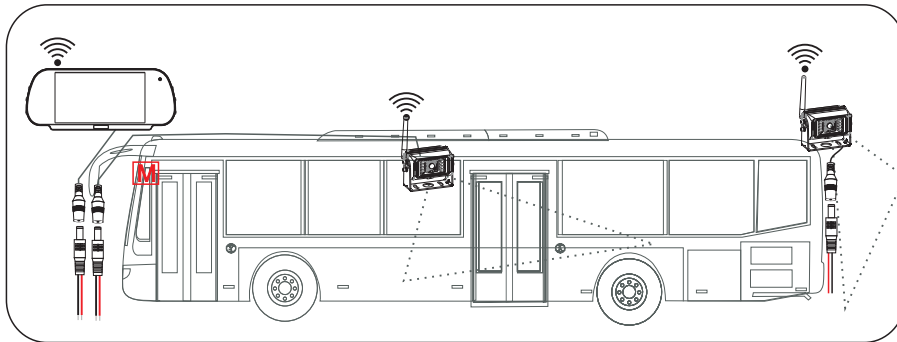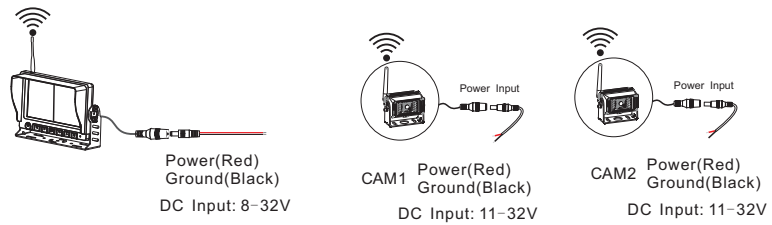
1

Before you request for repair

Phenomena below are not necessary mean failure with Display.
Please check off per following methods before you request for repair.

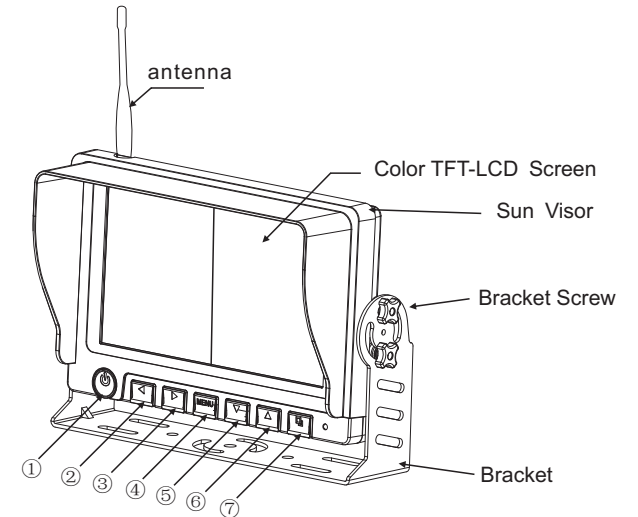| Phenomana	Possible Causes
No Picture	Improper connection with Automobile adapter. Use of unauthorized power supply. Power Switch is on OFF position.
Dark Picture	Please check contrast and brightness.
No color	Check if color is adjusted, or check if the color system(PAL/NTSC) is right.

Ver:1403A01

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I.Digital wireless system connection diagram

Power Input

Power(Red)
Ground(Black)

DC Input: 8~32V

CAM1 Power(Red)
Ground(Black)

DC Input: 11~32V

Power Input

CAM2 Power(Red)
Ground(Black)

DC Input: 11~32V

M

M

| Fleet & Heavy truck | Fork Lift | Trailer & RV | Construction machinery vehicles | School Bus | AG Equipment |

I. 7" Monitor Appearance and accessories

antenna

Color TFT-LCD Screen

Sun Visor

Bracket Screw

①Power
②Left（Vol-）
③Right（Vol+）
④Menu/Esc
⑤Down（CH switch）
⑥Up（CH switch)
⑦OK

① ② ③ ④ ⑤ ⑥ ⑦

Bracket

Indicator：RED/power on；OFF／Stand by
GREEN FLASH/Pairing

II. 7" Rear view mirror monitor Appearance and accessories

Glass   Color TFT-LCD Screen   Indicator

Button

⏻ Power
MENU Menu/Esc
C.S OK
✛ Right
— Left
▽ CH Switch

Brand Name

Fixed Bracked

Speaker（no audio）

Tail Cable Hole   Movable Bracket
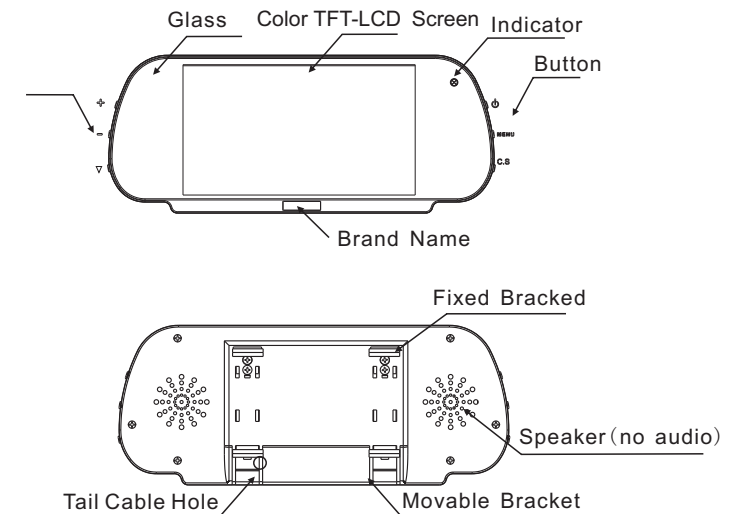
Monitor

III. 9" Monitor Appearance and accessories

①Power
②Left（Vol−）
③Right（Vol+）
④Menu／Esc
⑤Down（CH switch）
⑥Up（CH switch）
⑦OK

Color TFT-LCD Screen
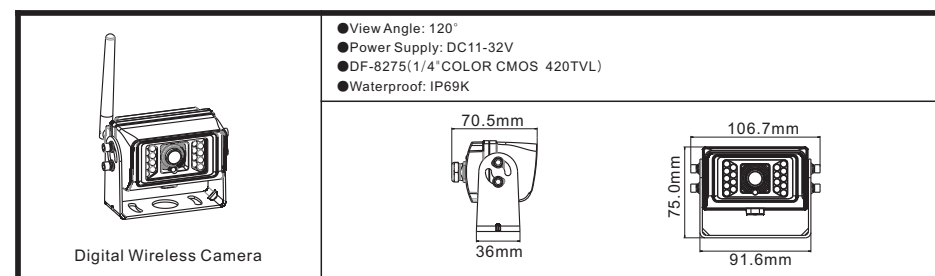
Sun Visor

Bracket Screw

Bracket

① ② ③ ④ ⑤ ⑥ ⑦
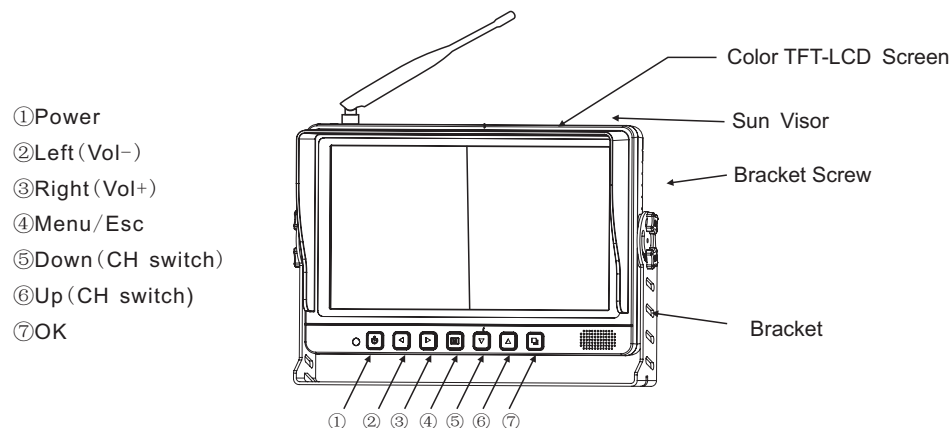
Indicator： RED/power on; OFF／Stand by
GREEN FLASH/Pairing

IV. Digital wireless Monitor technical parameters

Display Device	Color TFT-LCD	Color TFT-LCD
Size	7" Digital Screen	9" Digital Screen
Interface	Digital TTL	Digital TTL
Resolution	800×(RGB)×480	800×(RGB)×480
Active Area (mm)	153.60(W)×86.64(H)	198.0(W)X111.7(H)
View Angle (LR/UD)	L/R: 70/70 U/D: 50/70	L/R: 70/70 U/D: 50/70
Contrast Ratio	500:1	500:1
Luminance (nits)	400	300
Response Time (ms)	25	25
Down Load	DC 12+87V/400ms	DC 12+87V/400ms
Operating Temperature	-20℃～+60℃	-20℃～+60℃
Storage Temperature	-30℃～+80℃	-30℃～+80℃
Application Power Supply	DC8V～32V （5W Max)	DC8V～32V （5W Max)
Transmit Distance (No block)	100m	100m

Camera

I. Digital Wireless camera appearance and dimension(Unit: mm)

●View Angle: 120°
●Power Supply: DC11-32V
●DF-8275(1/4°COLOR CMOS 420TVL)
●Waterproof: IP69K

70.5mm

106.7mm

75.0mm

36mm

91.6mm

Digital Wireless Camera

II. Digital wireless camera technical Parameters

CAMERA	COLOR CMOS CAMERA	
Image Pick-up Device	1/4″COLOR CMOS	
Picture Elements	PAL:640(H)×480(V)	NTCS:640(H)×480(V)
Horizontal Resolution	420TVL	
Minimum illumination	0 Lux At Night （IR LED ON)	
Lens furnished	Board lens 2.5mm	
Power Supply	DC11~32V	
Gain Control	Automatic	
S/N Ratio	More than 48db	
White Balance	Automatic	
Electronic Shutter Control	Automatic	
Transmit Power	10 dbm	
Operating Temperature	-20°C~+60°C	
Storage Temperature	-30°C~+80°C	

XI: Monitor Menu Operation：

| PAIR | PICTURE | Electronic Lable | Nor/Mir | Program edition No. |

1)Pair: Establish the connection between the monitor and camera, make the system work in order.
Chose PAIR and press OK to enter the pair. the monitor display: **Please supply current camera power supply, In pairs please…30**. Pairing time is 30s, press the pair key on the camera within 30s till the monitor show the camera image.
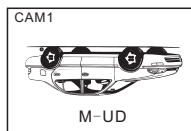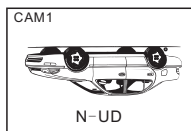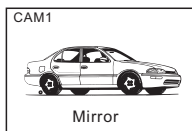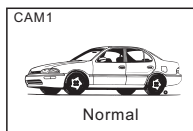
2) Picture setting：
a.☼ Brightness：0-5(Press left/right to adjust)；
b.◑ Contrast：0-5(Press left/right to adjust)；
c. ∮ Color：0-5(Press left/right to adjust).

3) Electronic Label setting: Turn on/off the electronic label on CAM1.
Cam2 no electronic label.

4）Mirror/Normal image setting: 4 modes as blow


| CAM1 | CAM1 | CAM1 | CAM1 |
| Normal | Mirror | N−UD | M−UD |

5) Program edition No.

Note:

1. Turn on the monitor, it will under the auto search mode, press ◀ or ▶ to enter the normal mode, or the keys can not work.

2. Under the AUTO mode, if only CAM1 or CAM2 working, the monitor will switch to the working CH automatically, if the CAM1 and CAM2 work together, the monitor will show the CAM1 image.
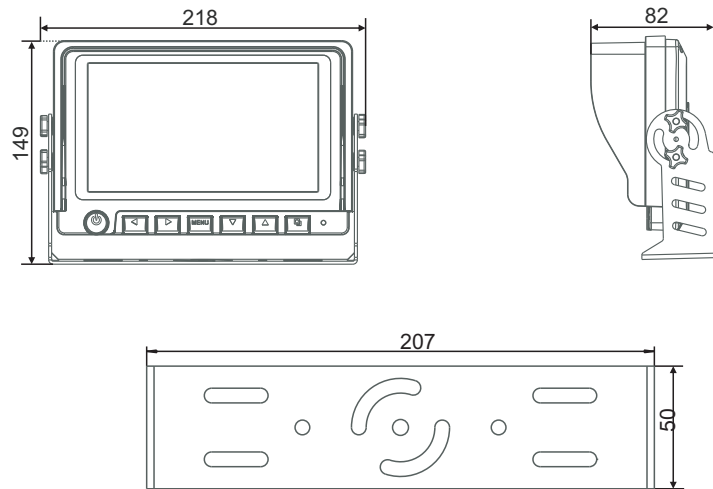
V. 7" Monitor Sun Visor Install／Remove
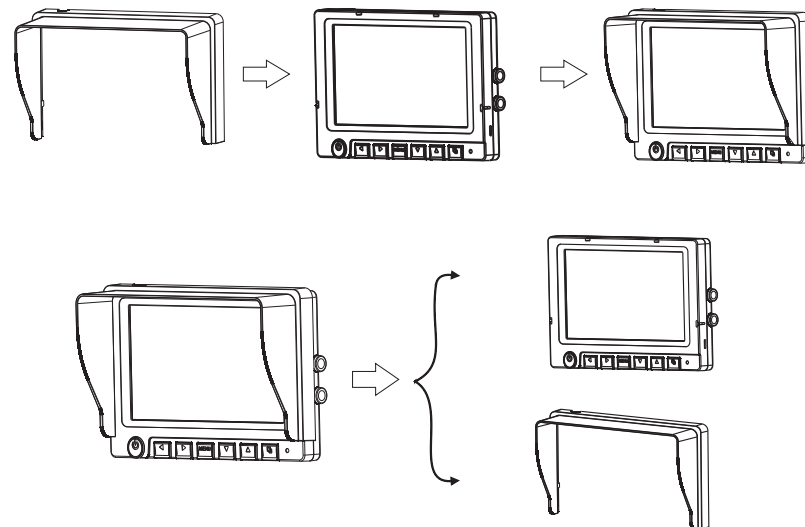
VI. Monitor Bracket Screw Mount
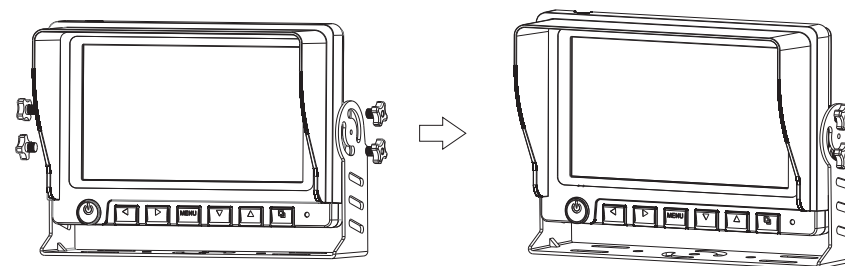
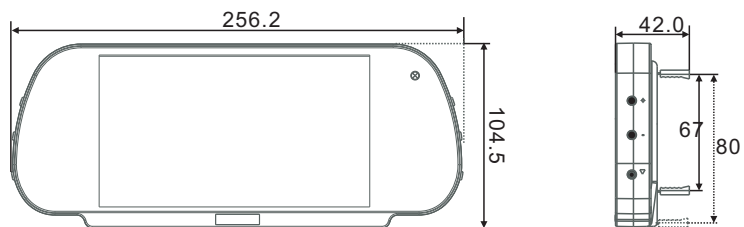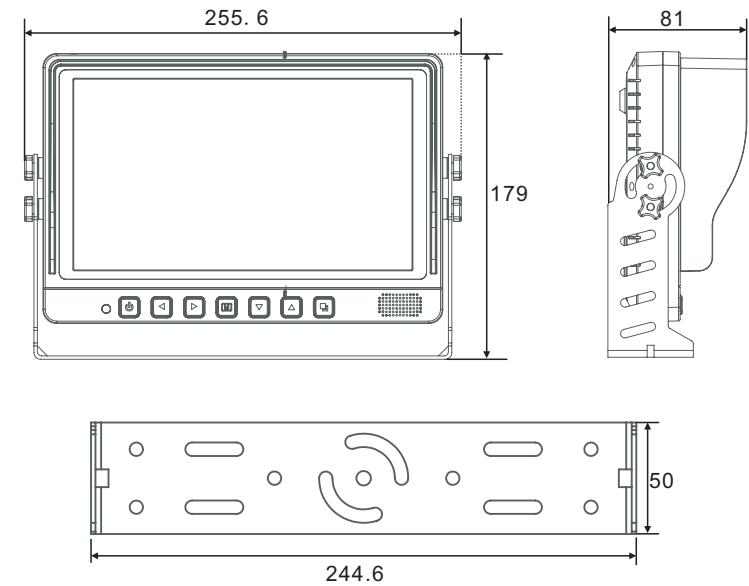**VII. 7" Monitor mount Dimension(Unit: mm)**

218

149

82

207

50

VIII. 7" Rear view mirror monitor mount dimension(Unit: mm)

256.2

104.5

42.0

67

80

IX. 9" Monitor mount dimension(Unit: mm)

255. 6

81

179

50

244.6

X. Accessory（Optional)

U Bracket

Power Cable

Antenna